

ABSTRACT OF THE DISCLOSURE

Microarea light-emitting diodes, which have no variation in light output power and the like due to mode-hopping, are used and changes in properties such as light output and the like due to generated heat are prevented. Pulses having a constant period and a substantially constant power are used, a number of the pulses within a period for forming an image corresponding to one pixel is determined on the basis of image data, and light beams emitted from the microarea light-emitting diodes are modulated by pulse signals including the determined pulses.